

FIG.2

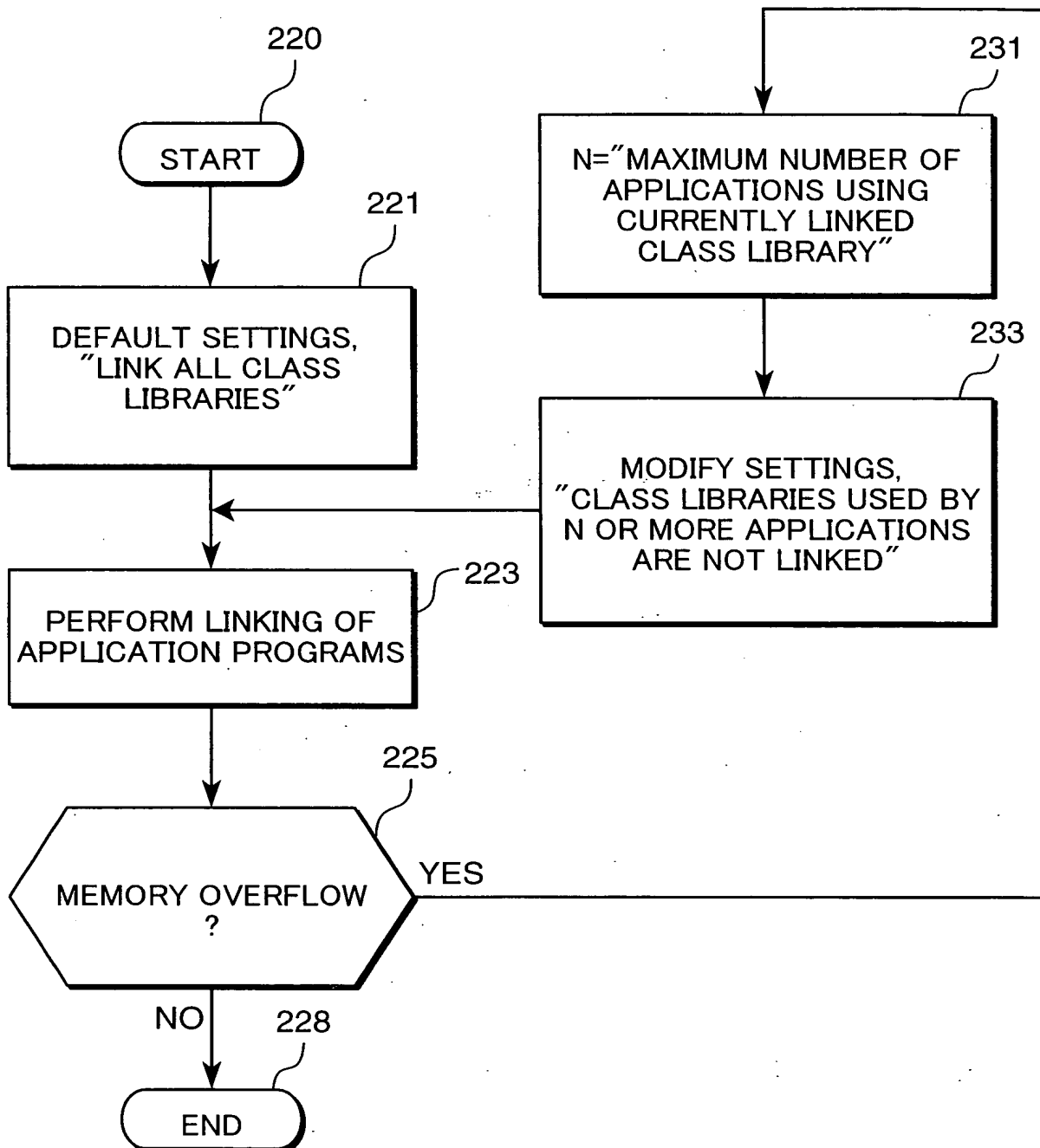


FIG.3

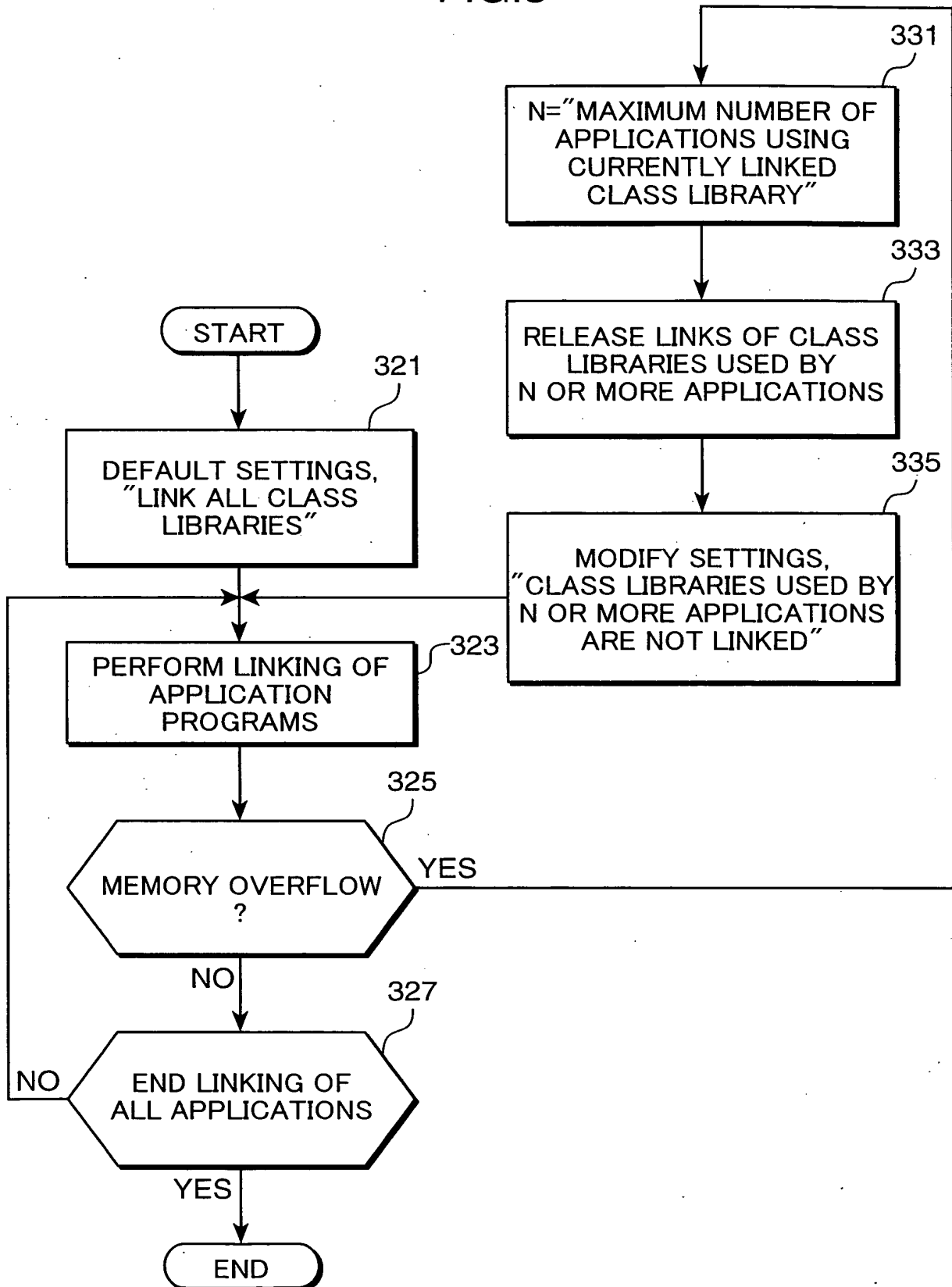


FIG.4A

(STEP 1)
PERFORM LINKING
OF APPLICATION
PROGRAM 1

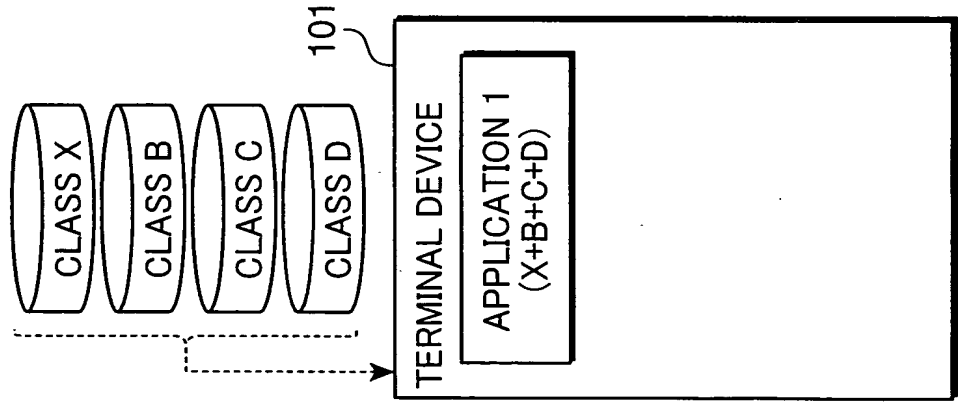


FIG.4B

(STEP 2)
PERFORM LINKING
OF APPLICATION
PROGRAM 2

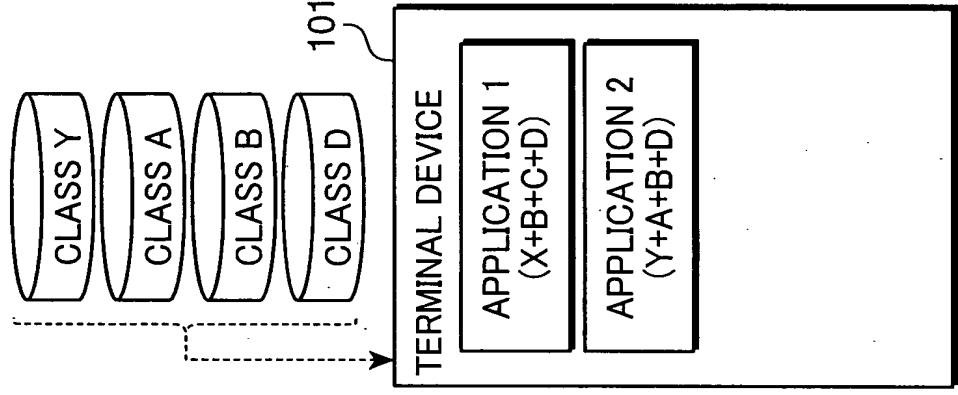


FIG.4C

(STEP 3)
PERFORM LINKING
OF APPLICATION
PROGRAM 3

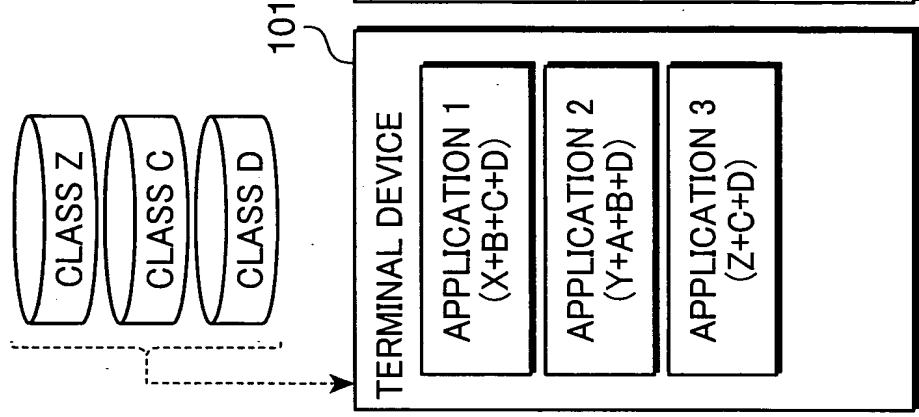


FIG.4D

(STEP 4)
RELEASE LINKS
TO CLASS LIBRARY D
FOR EACH
APPLICATION
PROGRAM

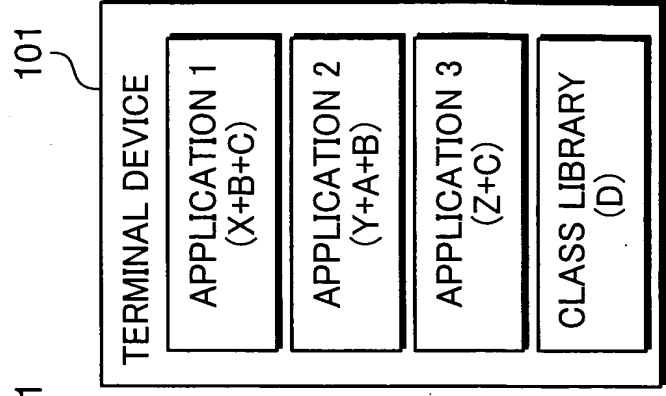


FIG.5A

STEP 3

APPLICATION 1 X+B+C+D	APPLICATION 2 Y+A+B+D	APPLICATION 3 Z+C+D	TOTAL NUMBER OF CLASS FILES = 11 NUMBER OF RUNTIME LINKS = 0
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FIG.5B

STEP 4

APPLICATION 1 X+B+C	APPLICATION 2 Y+A+B	APPLICATION 3 Z+C	TOTAL NUMBER OF CLASS FILES = 9 NUMBER OF RUNTIME LINKS = 3
CLASS LIBRARY D USED BY THREE APPLICATIONS			

FIG.5C

STEP 5

APPLICATION 1 X+B+C	APPLICATION 2 Y+A+B	APPLICATION 3 Z+C	TOTAL NUMBER OF CLASS FILES = 7 NUMBER OF RUNTIME LINKS = 7
CLASS LIBRARIES B,C USED BY TWO APPLICATIONS			
CLASS LIBRARY D USED BY THREE APPLICATIONS			

FIG. 6

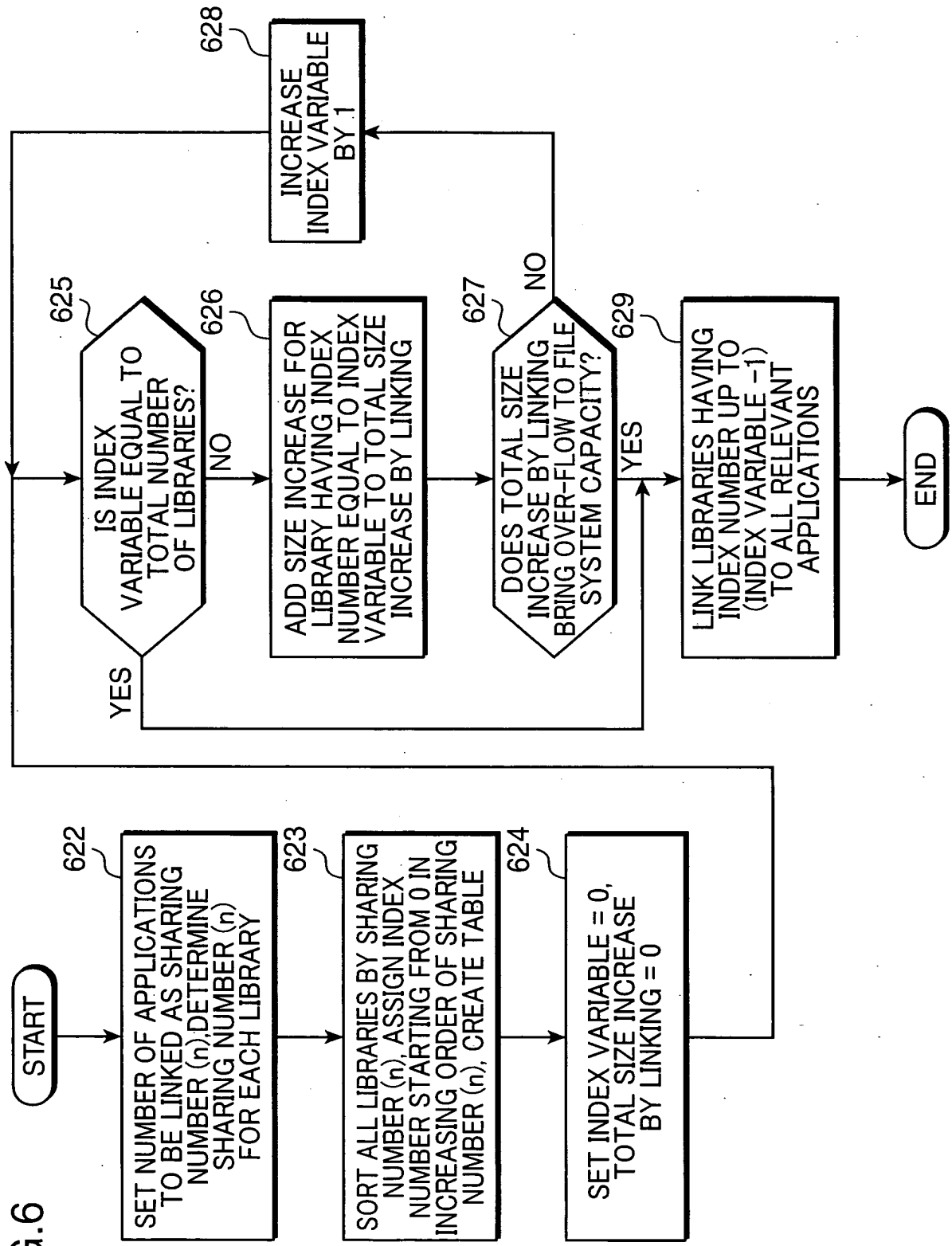


FIG.7A

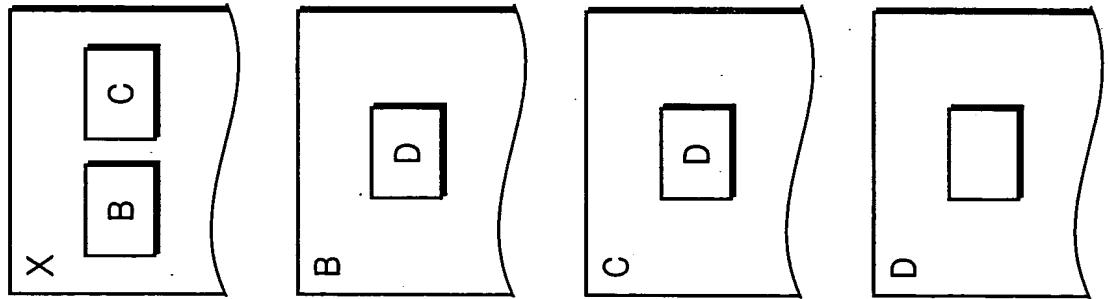


FIG.7B

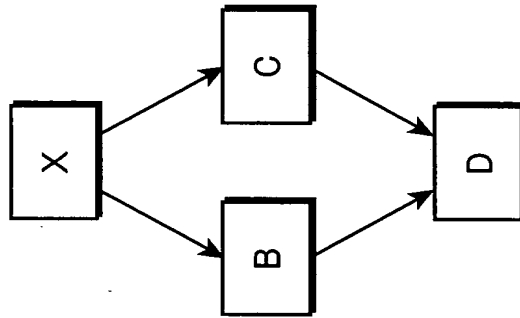


FIG.7C

	X	Y	Z	SHARING NUMBER (n)
A	x	O	x	1
B	O	O	x	2
C	O	x	O	2
D	O	O	O	3

FIG.8

SHARING NUMBER (n)	INDEX NUMBER	LIBRARIES FOR LINKING
1	0	A
2	1	B
2	2	C
3	3	D

FIG.9

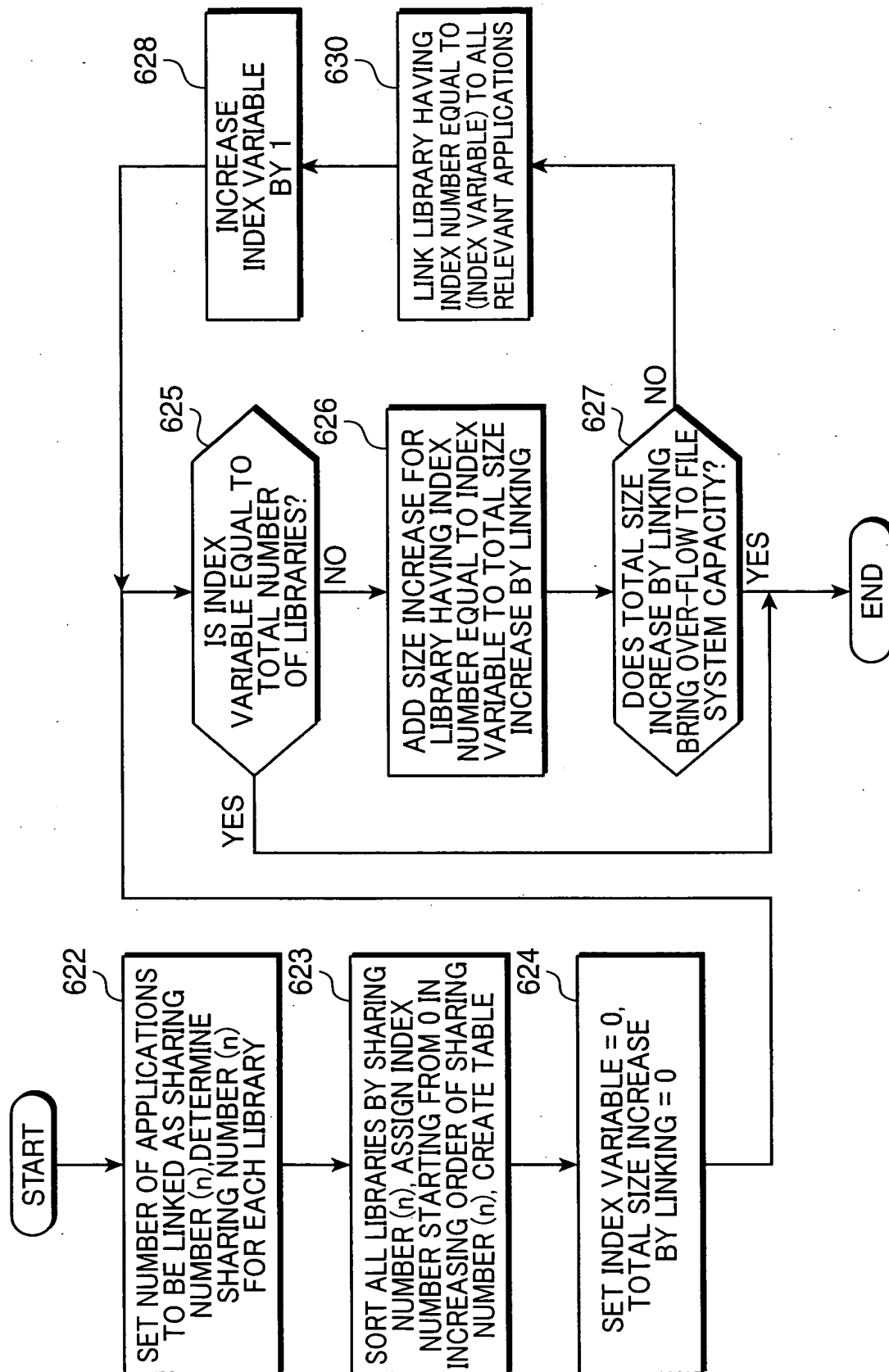


FIG.10

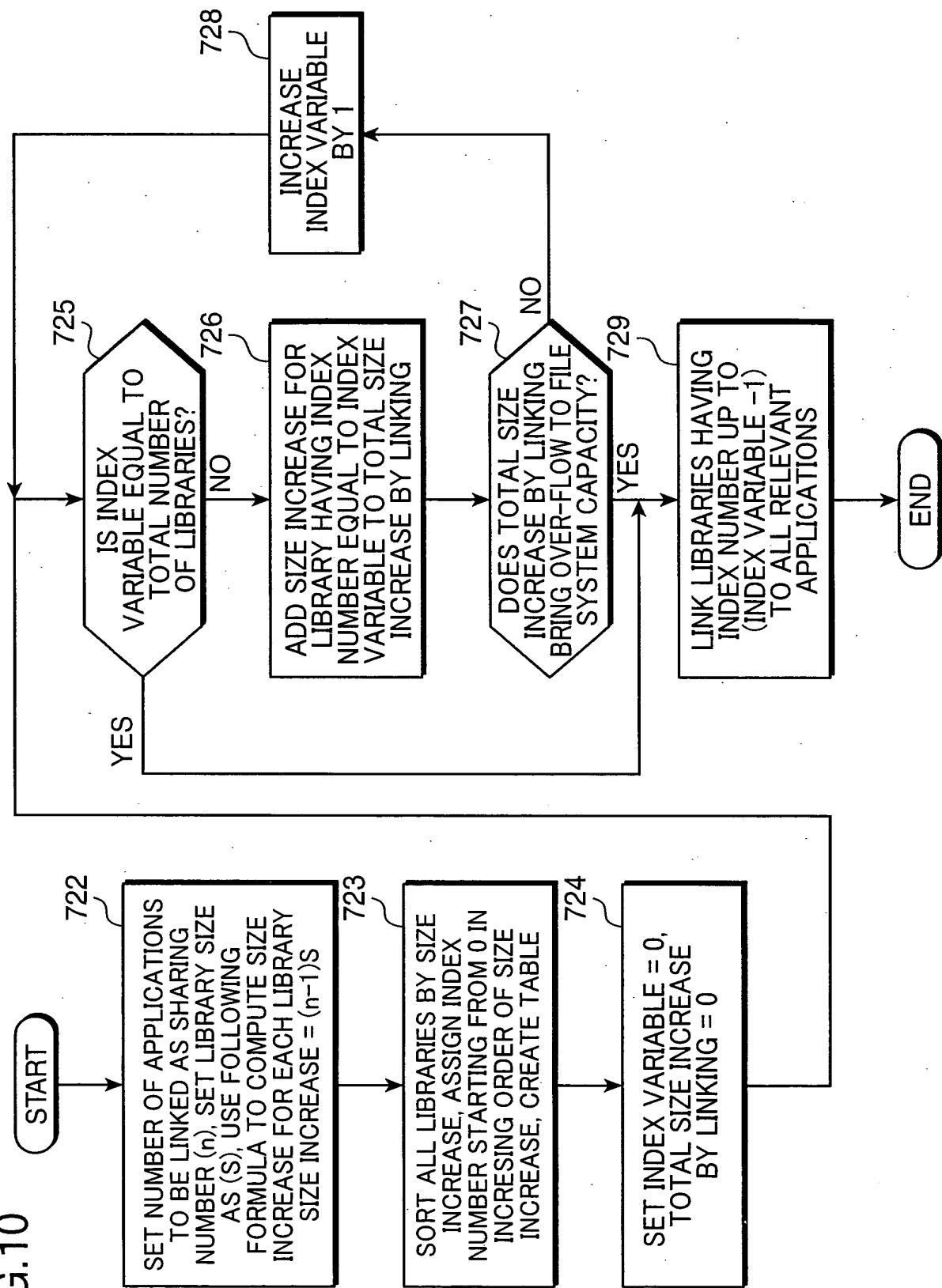


FIG.11

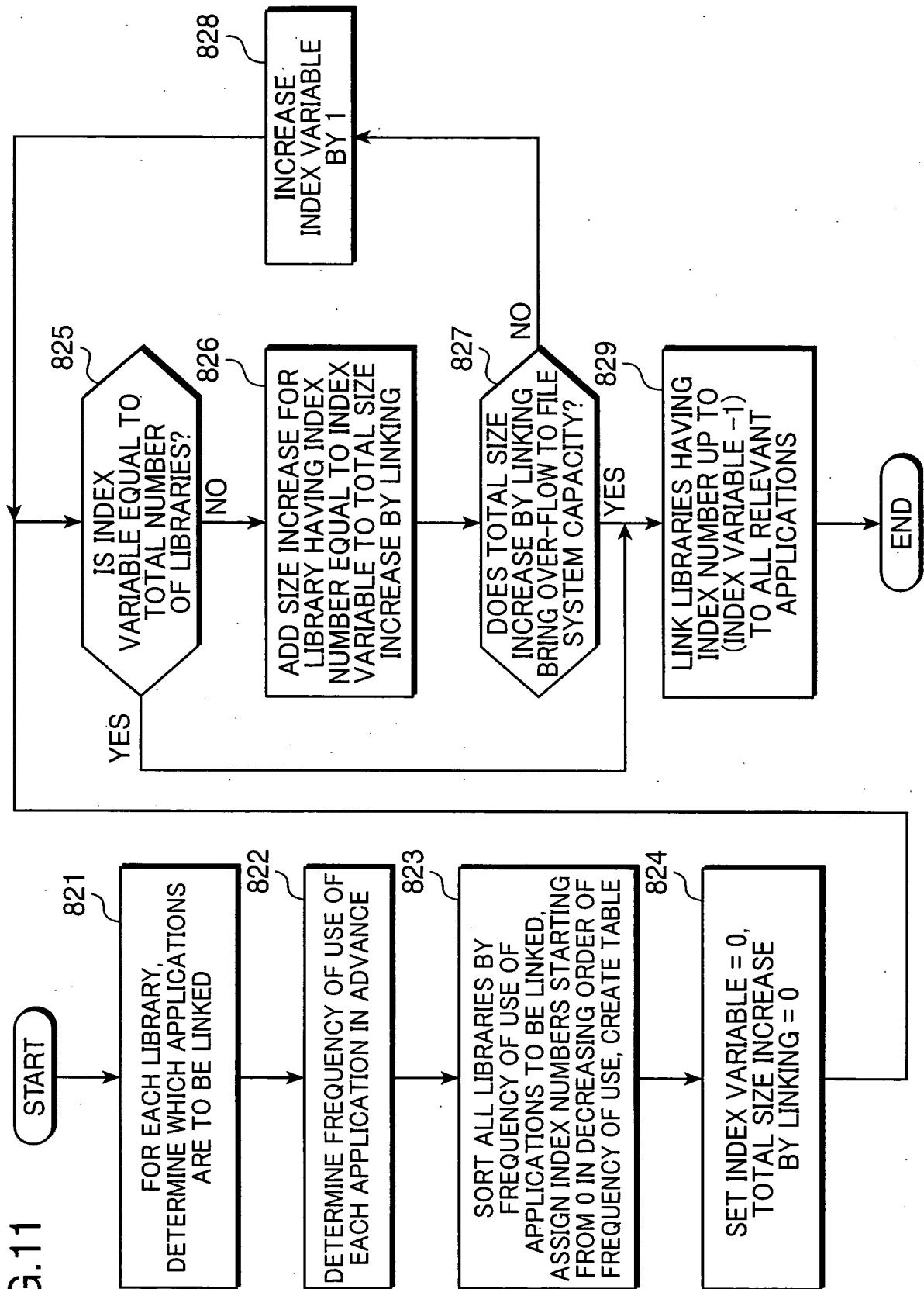


FIG.12

